



For Supervisor's use only

2

90463



NEW ZEALAND QUALIFICATIONS AUTHORITY
MANA TOHU MĀTAURANGA O AOTEAROA



National Certificate of Educational Achievement
TAUMATA MĀTAURANGA Ā-MOTU KUA TAEA

Level 2 Biology, 2005

90463 Describe diversity in the structure and function of plants

Credits: Three

2.00 pm Tuesday 15 November 2005

Check that the National Student Number (NSN) on your admission slip is the same as the number at the top of this page.

You should answer ALL the questions in this booklet.

If you need more space for any answer, use the page(s) provided at the back of this booklet and clearly number the question.

Check that this booklet has pages 2–8 in the correct order and that none of these pages is blank.

YOU MUST HAND THIS BOOKLET TO THE SUPERVISOR AT THE END OF THE EXAMINATION.

For Assessor's use only		Achievement Criteria			
Achievement		Achievement with Merit		Achievement with Excellence	
Describe diversity in the structure and function of plants in relation to a biological process.	<input type="checkbox"/>	Explain diversity in the structure and function of plants in relation to a biological process.	<input type="checkbox"/>	Discuss diversity in the structure and function of plants in relation to a biological process.	<input type="checkbox"/>
Overall Level of Performance				<input type="checkbox"/>	

You are advised to spend 35 minutes answering the questions in this booklet.

*All plants carry out life functions and have adaptations
to enable them to survive in their environment.*

This assessment requires you to describe diversity in the structure and function of THREE different plant groups.

You are required to select ONE of the following biological processes:

- Nutrition
- Transport
- Transpiration
- Reproduction

Write the name of the process you have chosen: _____

Name THREE plant groups that you will use in your answer.

Choose plants that clearly show **diversity in the structure and function** for the way they carry out the biological process you have named above.

Plant group one: _____

Plant group two: _____

Plant group three: _____

This paper has TWO questions. Question Two has TWO parts.

You should answer ALL questions.

Clearly labelled diagrams may be used as part of your answers.

QUESTION ONE

Describe in general terms the purpose of the biological process you have selected.

(a) Compare the structure **and** function of THREE plant groups for the biological process you have described on page 2:

Structure **and** function of plant group one.

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and extend across the width of the page. There are no margins, text, or other markings on the paper.

Name of **plant group two**: _____

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Structure **and** function of plant group two.

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Name of **plant group three**: _____

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Structure **and** function of plant group three.

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

- (b) With respect to the environment of each plant group, evaluate why there is **diversity** in the structure **and** function for your named biological process. You may refer to your answer in part (a).

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